5/126/63/015/002/025/033 E193/E383

Vasil'yev, D.M. and Plakhtiy, V.P. AUTHORS:

The effect of texture on the intensity of X-ray diffraction lines and the character of deformation of TITLE:

low-carbon steels in the yield-ledge range

Fizika metallov i metallovedeniye, v. 15, no. 2, 1963,

The object of the present investigation was to obtain PERIODICAL:

data on the effect of texture on the intensity of K-ray diffraction from steel subjected slight (1 to 2%) prastic deformation. TEXT: The experiments were conducted on low-carbon steel specimens, that experiments were conducted on low-carbon steel specimens, that dend at 800 °C and tempered at 550 °C and then deformed plastically both in tension and in compression. Cylindrical specimens for X-ray measurements were cut from the test pieces in the direction normal to the direction of the applied stress. The degree of perfection of texture, $0 \le k \le 1$, was alculated

from:

Card 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

5/126/63/015/002/025/033 E193/E583

The effect of

are the maximum and minimum values of the and I min where I max intensity of the (220) lines in the 0 6 6 90° range. The results are reproduced in Fig. 5, where k is plotted against the degree $(\epsilon, \%)$ of plastic deformation in tension (circles) and compression (dots). It will be seen that the formation of texturein the specimens studied had already occurred at the end of the yield range (after deformation of about 2% only). This indicates that the theory of the grain-boundary flow mechanism of yield cannot be correct. The formation of texture immediately after the end of the yield stage of deformation indicates that deformation takes place by intragranular slip. There are 3 figures and 1 table.

ASSUCIATION:

Leningradskiy politekhnicheskiy institut im. M.I. Kalinina (Leningrad Polytechnical Institute

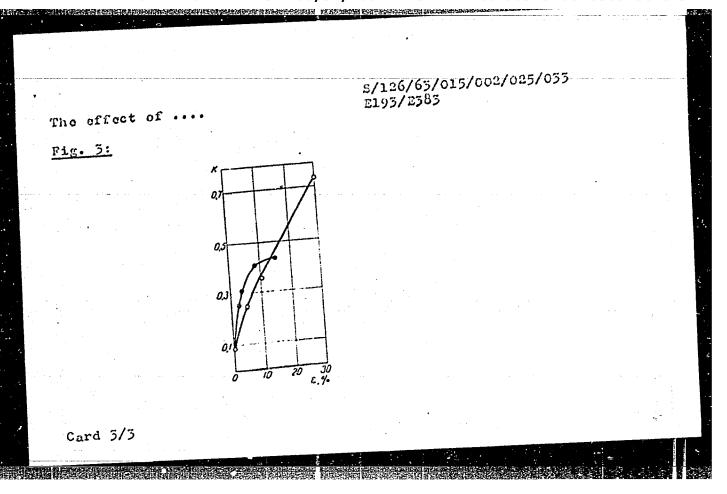
im. M.I. Kalinin)

SUBMITTED:

June 12, 1962

Card 2/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"



VASIL'YEV, D.M.; PIAKHTIY, V.P.; CHZHU TSZIN'-PEN [Chu Chin-p'eng]

X-ray study of the metal fatigue process. Fiz.met.i metalloved.

(MIRA 16:6)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina.

(Steel-Fatigue)

(X rays-Industrial applications)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858820015-3

AFFTC/ASD JD EWP(q)/EWT(m)/BDS \$/0126/63/015/004/0605/0611 L 14299-63 AP3000104 ACCESSION NRI AUTHORS: Vasil'yev, D. M.; Plakhtiy, V. P.; Chu Ch'in P'eng metal fatigue process TITLE: X-ray investigation SOURCE: Fizika metallov i metallovedenlye, v. 15, no. 4, 1963, 605-611 TOPIC TAGS: metal fatigue, x-ray investigation ABSTRACT: Soft steel samples were subjected to rhythmic tension-compression stresses in a pulsator. The intensity variation of the line (220) at loads larger and smaller than the fatigue limit was studied. These experimental conditions caused the development of an axial texture only. The relation between the texture development and the intensity of the (220) line are illustrated graphically. The authors conclude that steel samples with a weak initial tension texture develop a strong tension texture. This process starts with loads 10% smaller than the fatigue limit. The magnitude of the intensity variation and its sign depend on the experimental procedure and on the initial texture. Apparently the variation in the

x-ray line intensities can be used as a rough approximation of the danger point in metal fatigue. The plastic deformation under a cyclic load results in the development of a strong texture, equivalent to a 10% order tension. This process is not

Card 1/2

L 14299-63

ACCESSION NR: AP3000104

essociated with the macroscopic changes in the sample of with the distortion of separate grain contours. Experiments in which the texture influence was excluded showed that the effect of extinction and of submicrodistortion can be neglected. The authors express their appreciation to B. I. Smirnov for his participation in the discussion concerning the experimental materials and to P. O. Bolishakov for his help with the experiments. IN. N. Davidenkov (deceased) participated in the discussion of the experimental materials. Orig. art. has: 6 figures and 1 formula.

ASSOCIATION: Leningradskiy politekhmicheskiy institut im. M. I. Kalinins (Leningrad Polytechnic Institute)

SUBMITTED: 12Jun62

DATE ACQ: 12Jun63

ENCL: 00

SUB CODE: PH

NO REF SOV: 014

OTHER: 002

Card 2/2

VASILITEV, D.M.; GIAZUNOVA, V.K.

X.rey investigation of residual stresses in tin coatings.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. inv. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:151-154 '65.

I.v. vys. uoheb. zav.; chern. met. 8 no.9:15

MASIL'YEV, D.M.

Methods for radiographic measurement of stresses. Zav. lab. 31 no.8: 972-978 '65. (MIRA 18:9)

-Vasil'y	MEV, DN.	
		6
·	Chemical Abstracts May 25, 1954 Cellulose and Paper	Paper for vulcanized fiber. D. N. Vasil'ev. Bumasa. Prom. 25, No. 5, 32-5(1950).—Manuf. of paper suitable for the prepn. of vulcanized fiber is discussed in detail. Raw materials necessary for the process, their compn., and their qurification are described. Elizabeth Barabash.
- .	en e	
		·

VASIL'YEV, D.N., inzh.

New design of heat regenerator systems. Bum. prom. 38 no.11:28
N '63.
(MIRA 17:1)

1. Cosudarstvennyy institut po proyektirovaniyu predpriyatiy tsellyuloznoy i bumazhnoy promyshlennosti.

CIA-RDP86-00513R001858820015-3 "APPROVED FOR RELEASE: 08/31/2001

AP6015713 ACC NRI

BOURCE CODE: UR/4013/66/000/009/0126/0126

INVENTOR: Vasil'yev, D. P.; Vitozhents, E. V.; Chernetsov, I, B.; Berlin, V. B.;

Mosenkov, V. N.

ORG: None

TITLE: Direct rpm controller for low-power gas turbine engines. Class 46, No. 181448 [announced by the Central Scientific Research and Design Institute of Vehicle and Stationary Engine Fuel Equipment (Tsentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 126

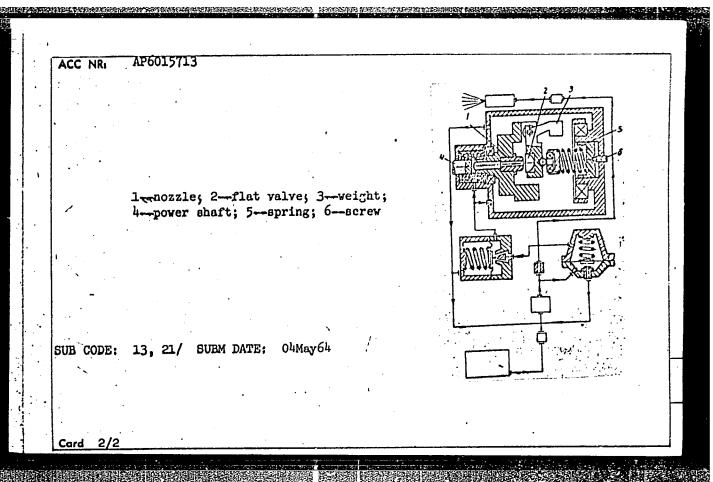
TOPIC TAGS: speed regulator, gas turbine engine

ABSTRACT: This Author's Certificate introduces: 1. A direct rpm controller for lowpower gas turbine engines. The unit contains an actuating mechanism made in the form of a nozzle which interacts with a flat valve located in the arm of a balanced springloaded centrifugal weight mounted on the cross connection of the power shaft. Construction is simplified and friction is reduced by locating the nozzle and the fuel channel in the power shaft. 2. A modification of this device which may be adjusted during engine operation by using a spring which acts on a lever and is equipped with a screw for varying tension.

Card 1/2

621,438,531,6,552,9 UDC:

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"



VASIL'YEV, D. S., Cand Agr Sci -- (fliss) "Ambrosia Artemisiaefolia and Measures for Combatting It in Krasnodarskiy Kray." Krasnodar, 1957. 15 pp (Min of Agriculture USSR, Kuban Agricultural Inst), 110 copies (KL, 47-57, 89)

48

VASIL'EV, D. S., Cand Geol-Min Sci -- (diss) "Influence of neotectonic movements on the development of abrasion and petroleum gas manifestation in the northeastern Black Sea region." Sochi, 1960. 33 pp; 2 pages of tables; (Rostov State Univ); 150 copies; price not given; (KL, 17-60, 144)

PANCHENKO, A. Ya., kand.sel'skokhozyaystvennykh nauk; VASIL'YEV, D.S., kand.sel'skokhozyaystvennykh nauk

Science offers inexhaustible possibilities for increased production. Zemledelie 23 no.4:33-39 Ap '61. (MIRA 14:3)

(Agricultural research)

VASIL'YEV, D.S., Vand Geol-Lin Sci — (diss) "Abrasion of Black See coast of Caucasus and evaluation of the petroleum and gas bearing perspectives of this region." Sochi, 1959. 27 pp with holders; 2 sheets of tables (Rostov "tate U). 150 copies (LL, 39-59, 102)

20

CIA-RDP86-00513R001858820015-3 "APPROVED FOR RELEASE: 08/31/2001

USSR / Weeds and Weed Control.

: Ref Zhur - Biologiya, No 1, 1959, No. 1933 Abs Jour

Author

: Vasil'yev, D. S.

Inst

Not given

Title

: Nethods of Controlling Common Ragweed

Orig Pub

: S.-kh. Kubani. Inform. byul., 1957, No 1, 38-48

Abstract

: Presowing tillage and the cutting of the mass shoots of these weeds drastically reduced contamination of sunflowers and corn by ragweed. A dosage of 2 kg/hectare of 2,4-D, applied before corn sprouts appeared, reduced ragweed contamination on the fields by 87.6%, and the corn yield increased 6.5 centner/hectare. best dosage for spraying of the corn sprouts was 0.8 kg/hectare. Higher doses of 2,4-D had an adverse effect on the corn and lowered the

card 1/2

3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

USSR / Moods and Mood Control.

N

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 1933

harvest. Burning the left-over stalks after reaping the badly contaminated cultivated plants was an extremely good prophylactic measure. Spring occupancy of partially fallow land was an effective means of coping with contamination of the soil with ragwood seeds. Ragwood was suppressed best of all with 2,4-D on untreated lands. For its complete suppression 2 kg/hectare were sufficient. Later on (from the stage of 2-3 pairs of leaves), resistance of the plants to the herbicide increased, and the killing desages were increased to 2.5 kg/hectare. -- L. D. Stonov

Card 2/2

USSR/Weeds and Their Control.

N.

Abs Jour

: Ref Zhur - Biol., No 15, 1953, 68461

Author

: Vasil'yev, D.S.

Inst

: All-Union Scientific Research Institute of Oil and Essen-

tial Oil Bearing Crops.

Title

: Weed Control in the Pre-Sowing Period.

Orig Pub

: Byul. nauchno-tekhn. inform. Vses. n.-i. in-t maslichn. i

efiromaslichn. kul'tur, 1957, No 3, 12-14.

Abstract

Experiments made at the All-Union Scientific Research Institute of Oil and Essential Oil Bearing crops and in the kolkhozes of the Adygey Autonomous Oblast' have demonstrated that when earlier sowing dates are used for sunflowers (the last third of April) and corn (the second third of May), and the fields are cultivated before sowing, the hibernating weeds (pan-weed, (Thlaspi arven-

s၁)

Card 1/2

USSR/Weeds and Their Control.

N.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 68461

tares, blue burr (lappula eclimata)) and spring weeds (wild turnip, black bindweed, bearded oat) are destroyed, the yield of sunflower seed increases by 2.8 centners per hectare, that of corn seed by 7.2 centners/hectare, and the labor expenditure on weeding is reduced. -- V.A. Astaf'yeva

Card 2/2

_ h. _

VASILYEV W :

USSR/Weeds and Weed Control

H

Nos Jour : Ref Zhur - Biol., No 9, 1958, No 39611

Author : Knott S.A., Vasil'ev D.S.

Inst : Institute of Olive and Olive-Essential oil-bearing Crops of

the Adygay Autonomous Oblast

Title : Control of Workmood-Leafed Ragmeed by Chemical Method

Orig Pub: Kukuruza, 1957, No 6, 45-44

Abstract: Field experiments showed that the spraying of corn sowings

by sode salt 2,4-D in doses 2 kg/he six days before the eppearance of sprouts or 0.6 - 0.8 kg after this appearance destroys 76-95 percent of the malignant workwood-leafed regweed, thus increasing the yield of corn considerably. This study was conducted in 1954-1956 by the Institute of olive and olive-essential oil-bearing crops in the kolkhozes of the

Adygeyth autonomous oblast. -- N.N. Sokolov.

Card : 1/1

: USSR COUNTRY Woods and Wood Control. CATEGORY : RZhBiol., No. 3, 1959, No. 11209 ABS. JOUR. : Vasil'yev, D. S. AUTHOR Common Ragweed (Ambrosia artemisiifolia) in Krasnodar INST. TITLE Kray. ORIG. PUB. : Vestn. s.-kh. nauki, 1953, No. 5, 135-136. : In the experiments carried out during 1954-1957, the ripe seeds of the common ragueed (Ambrosia artemisiifol-ABSTRACT ia) were kept in the granary, in the laboratory and in the soil after having been collected in October. After definite intervals of time, the seeds were sprouted while exposed to light at 18-220. In November and December, the seeds had not yet germinated regardless of the conditions of their storage. In January, the seeds kept in the soil began to germinate (10-12%); in the second of February their germination reached 18-20%. CARD: 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

COUNTRY CATEGORY 11209 1959, No. ABS. JOUR. : RZhBiol., No. : AUTHOR THST. TITLE ORIG. PUB. : : In the first ten days of april, the germination rose to 74-83% and by the end of the month - to 95% while at the ABSTRACT sume time the vigor of the sprouting of the seeds rose considerably. In the soil, favorable conditions are combined for the post-harvast completion of the maturation of the seeds and their preparation for sprouting. In the southern and central regions of Krasnodar Kray, the sowing of sunflowers on the weed-contaminated fields should be done in the third ten days of April and the the planting of corn - in the second third of May after 2/3 CARD:

GAPD: 3/3		
1		
•		
ABSTRACT	the destruction of the mass sprouting of the ragweed and other early weeds by pre-planting cultivations. — i. D. Stonov	
ORIG. PUR.		
AUTHOR INST. TITLE	; ;	
ABS. JOUR.	: EZhBiol., No. 1959, No. 11209	
COUNTRY CATEGORY	: :	

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

TO THE PERSONAL PROPERTY OF THE PROPERTY OF THE PERSONAL PROPERTY OF TH

VASIL'YEV, D.S.

Some data on the biology of Ambrosia artenisiaefolia L. Bot.
shur. 14 no.6:843-846 Je '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh
i efiromaslichnykh kul'tur, Krasnodar.

(Ragweed)

SUSLOV, V.M., otv.red.; VASIL'YEV, D.S., red.; GEYDEL'BERG, Ye.Z., red.; IGNAT'YEV, B.K., red.; MOSKALENKO, V.I., red.; PANCHENKO, A.Ya., red.; UMEN, D.P., red.; TULIN, N.S., red.; AMTCHOVA, H.M., khuduzh,-tekhn.red.

[Collection of scientific research papers on oilseed and aromatic plants] Sbornik nauchno-issledovatel skikh rabot po maslichnym i efiromaslichnym kul turam. Moskva, Izd-vo M-va sel khoz. SSSR, 1960. 284 p. (MIRA 14:3)

l. Krasnodar. Vsesoyuznyy nauchno-issledovatel'skiy institut
maslichnykh i efiromaslichnykh kul'tur.
 (Oilseed plants) (Aromatic plants)

VASILIVEV, D.S., kand.sel'khoz.nauk; ANNENKOVA, G.N., nauchnyy sotr.;

BARTENEV, V.A., nauchnyy sotr.; KOSTSOV, P.A.

Using 2, 4-D for controlling offset weeds in fall-plowed fields.
Zemledelie 23 no.8:64-66 Ag '61. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur (for Vasil'yev, Annenkova, Bartenev).
2. Glavnyy agronom opytno-assantation (high hosystyteva "B2 rezanskoye Wefor Kostsov). (Weed control) (2, 4-D)

PUSTOVOYT, V.S., akademik, red.; SUSLOV, V.M., kand. ekon. nauk, otv. red.; ALEKSEYEVA, Ye.I., kand. sel'khoz. nauk, red.; BUZINOV, P.A., red.; VASIL'YEV, D.S., kand. sel'khoz. nauk, red.; VOSKRESENSKAYA, G.S., red.; GUNDAYEV, A.I., red.; IGNAT'YEV, B.K., kand. sel'khoz. nauk, red.; MAKSIMOVA, A.Ya., red.; MOSKALENKO, V.I., red.; PANCHENKO, A.Ya., red.; TIKHONOV, O.I., red.; SHPOTA, V.I., kand. sel'khoz. nauk, red.; MONOVA, Ye.S., red.; LAPSHINA, O.V., red.

[Oilseed and aromatic crops; transactions for 1912-1926]
Maslichnye i efiromaslichnye kul'tury; trudy za 19121962 gg. Pod obshchei red. V.S.Pustovoita. Moskva, Sel'khozizdat, 1963. 575 p. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Pustovoyt). 3. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur(for Susloy).

VASIL'YEV, D.S., kand. sel'skokhoz. nauk; ANNENKOVA, G.N., nauchnyy sotrudnik

Chemical weed control of coriander fields. Zashch. rast. ot vred. i bol. 8 no.4:25 Ap '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur Krasnodar.

(Krasnodar Territory—Coriander) (Krasnodar Territory—Weed control)

VASIL'YEV, D.S., kand. sel'skokhoz. nauk

Precision sowing method for sunflowers. Zemledelie 26 no.2; 72-75 F *64. (MIRA 17:6)

l. Vsesoyuznyy nsuchno-issledovatel*skiy institut maslichnykh i efiromashlichnykh kul*tur.

VASIL'YEV, D.S., kand. sel'skokhoz. nauk

Preharvest defoliation of castor bean. Zemledelie 26 no.2:79-20
Ag '64.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i
efiromaslichnykh kul'tur.

VASIL'YEV, D. T., Engineer

"Chemical Treatment of Cutting Tools," Stanki i Instrument, 10, No. 12, 1939.

Report U-1505, 4 Oct 1951

VASIL'YEV, D. T.

Candidate of Technical Sciences

"New Methods of Machining Metals Instead of Milling", Stanki I Instrument, 14, No. 3, 1943.

BR-52059019.

VASIL'YEV, D. T.

Candidate of Technical Sciences

"New Methods of Thread Cutting." Stanki I Instrument Vol. 15, No. 6, 1944

BR 52059019

VASIL'YEV. D. T.

Candidate of Technical Sciences

"A High-Production Method of Precision Thread Cutting." Stanki I Instrument Vol. 15, No. 12, 1944

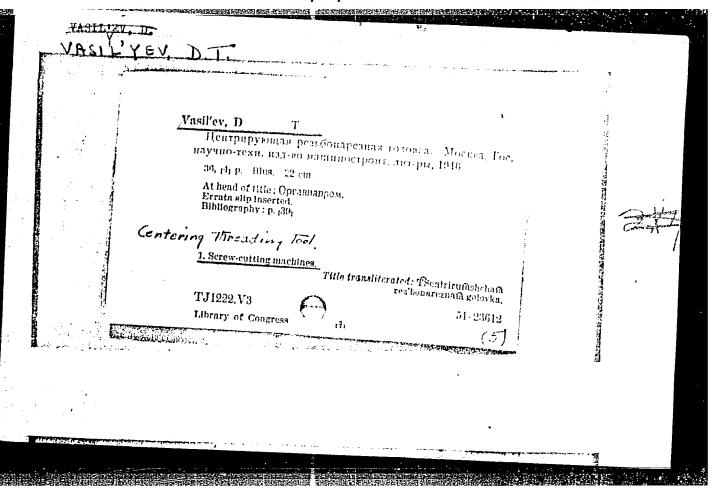
BR 52059019

VASIL'YEV, D.T.

Candidate of Technical Sciences

"Conditions for Productive Cutting of Precision Threads," Stanki I Instrument, 16, Nos. 4-5, 1945

BR-52059019



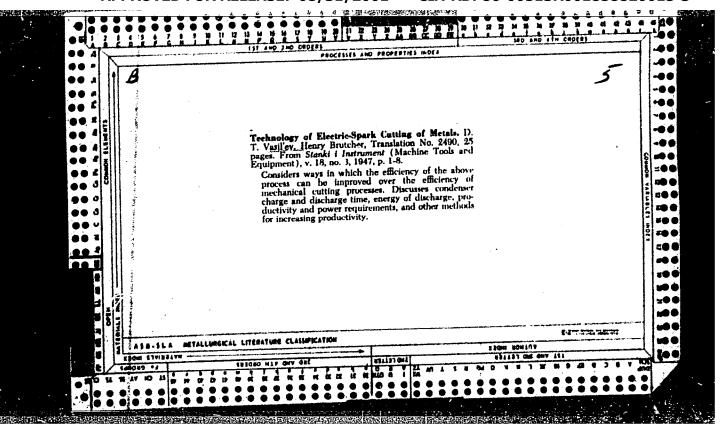
The state of the s

VASIL'YEV, D. T.

Candidate of Technical Sciences

"Unutilized Reserves in Thread Cutting" Stanki I Instrument, 17, No. 7-8, 1946

BR-52059019



VASIL'YEV, D.T.

Forces acting on the cutting surfaces of a tool. Sten.i instr. 25 no.4:1-5 Ap '54. (MLRA 7:6)

(Cutting tools)

USSR/ Engineering - Machining metals

Cerd 1/1 Pub, 128 - 31/35

oliter, be

VA

Authors Larin, M. N., Dr., Tech. Sc., Prof.; Grudov, P. P., Dr. Tech. Sc., Docent; and Vasil'yev, D. T., Cand. Tech. Sc.

Title : The cutting of metals

Periodical | Vest. mash. 35/3, 88 - 90, Mar 1955

Abstract A review is presented of the book, "The Cutting of Metals," by M. I. Klushin, published in 1953 by the State Publishing Office for Machine Construction Literature, and containing 428 pages. A number of short-comings are pointed out but on the whole the book is rated as a valu-

able textbook for students of the subject.

Institution:

Submitted :

IAKUSHEV, Aleksandr Ivanovich; VASIL YEV, D.T., kandidat tekhnicheskikh nauk, retsensent; MOZHEYKO, A.F., inzhener, retsensent; ROZENBLIT, Ya.M., inzhener, redaktor; PETROVA, I.A., redaktor; ZUBAKIH, I.M., tekhnicheskiy redaktor.

and the second s

[Influence of the manufacturing process and basic threading factors on the durability of threaded joints] Vliianie tekhnologii izgotovleniia i osnovnykh parametrov rez'by na prochnost' rez'bovykh soedinenii. Moskva, Gos.izd-vo obor.promyshl., 1956. 188 p. (MIRA 9:5)

(Screw threads)

VASIL'YEV, D. T. and FITSNER, L. N.

"Computators for the Determination of the Most Suitable Sequence of Cuts in Metal-Working Industry."

report presented at the Conference on Automation and Computation Engineering, Moseow, 5-8 March 1957. Organized by AU Sci. Eng. and Tech. Society for Apparatus Building.

**	•	•		ndys. Sir. blonas		# 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1		į	0ys 124		3	145	451 451	tn 162	ř. E	ys 182	#1th 190	at- 195	202	Ø	214	222	Heat. 226	
	3791	1957.	3,500	copies printed. Sponsoring Agendes: Akademiya nauk 355m. Institut mashinovedeniya. Sponsoring Agendes: Akademiya nauk 353m. Romissiya po telinologii mashinostroyeniya; Akademiya soret po problemam Institut metaliurgii is. A.A. Baykova. Mauchnyy soret po problemam	V.T. Dikushin, Academician; Ed. of Publishing House:	rallorgists. , papers read at the Conference , papers read at the Conference Alloys held in Boscow by the	red the cogeth	easting, forming, machining, and nitrides, and oxides, with retractory carbides, borides, nitrides, and oxides, are disturble specially in connection with their application of the machines, boilers, in the manufacture of turbine blades, heat eddie, dies, casting, in the manufacture of the heat-cancerature media, dies, casting.	mention inly	Gas-Shielded Arc Welding of Best-Resistant Alloys 124	Welding of Martenaitic	1	Two Examples of the Machining of Wear- and Hour- Nys	Resnikar, M.I., Machinability of Heat-Resistant Steels and Alloys in Turning, Milling, and Drilling With Carbide Tools	Resnikov, A.N. Temperature Field in the Work and in the Tool in Machining Master Passatant Steels and Alloys	ELECONDO, A.S. Investigation of Some Machinability Pactors of ELGIT Hakt: Mestatant Alloy	month Mark Machining of Heat-Rasistant Alloys	Zharkov, I.G., High-Speed Milling of Heat-Resistant Materials With Frain Spiral Milling Cutters	<u> Uryrakiy, R.P</u> Increasing Productivity in the Machining of Heat- Resistant Steels and Alloys With Pace Milling Cutters	Sutute	rength	Ourevich, Ka.L., Machinability of Stainless Steels in Turning, MITING, and Resaing Operations	Murozenko, O.V. Cutting of Threads on Parts Made of Heat-Resis- Tant-Paterisis and Titanium Alloys	GALUDAY, 8.ASome Questions Concerning the Machinability of Heat-Resistant Alloys	
	304/3791	gains 1957	hotta sharoprochnyth splavov; [sbornik dokladov] (Trest- ment of Mat-Pealstant Alloys; Collection of Papers Read at the Conference), Moscow, Izd-vo AN 352R, 1960. 231 p. 3,50	ut mask idemiya ry soret	n 12shin	d at th	In 1957	ad oxide	ncen, n	t-Resis	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Ting i	4	Steels	nd in t	MILEY P	t-Rusist	tant Ma	Machini utters	Shifrin, A.Sh. Examples of Poreign Fractice in the Machining of Stannies and Alloys	Wastis West Dar Tool Life in the Machining of High-Strength World F	als in	H of H	ichi nabi	
	FATTON	plavov.	doklado on of 1 1960.	Thett.	2	The book consists of thirty papers read The book consists of thirty papers read	all the	des, so	refere	of Ben	Veldin	Resistance Welding of Titanium	ing of	sistant arbide	z żrż	sep1uat	of Heat	t-Bes1s	in the	tice in	ing of	ess Ste	arts Ma	the A	
	WOON REPLOITATION	hnylch .	bornik ollecti N 385R,	troyent	ing ing	retall	lences for a series	ction b	No per	elding		lding of	Machin	Heat-Ro	in the	Some	.e, A.T. Electria-Pulse Machining of	of Hea	Face Mi	En Prac	Machin	Stain	ds on P	ice raiing	
	§	roproc	vov; [s. oys; C. zd-va A	ya nauk sahinos A. Bay	.V. Br	led for of this	ding 19	borides	10018.	A Arc	Kikolayav, G.A., and A.V. Mordvintseva.	Ence Ve.	of the	tty of r	Field teels	tion af	180 Mac	M1111ng rs	Produc s With	f Pores	in the	11ty of tions	f Three	ons Con	:
		round other	ch spla	Akademi 10g11 = 1 1m. 4	hin, Ac	Interval at 5	Academ ur prir	bides, of tur	20131	Shield	N.Y.	Resist	camples	tidaning,	peratur stant 3	vestiga t Alloy	trio-Pu	Speed Cutte	reasing 1 Alloy	mples o	01 tafe	chtrabi g Opera	tting o	Ques t1	! !
		obrab.	prochny	Cokho Cokho Shunda	Hoon.	book tr	A Machine	aing, ory on despe-	artiol		A., en	. r.	Loys R	L Mad	N. Tem	3. In		1 H	E. Inc.	h. Exa	2	Acamin	N Cu	loys	
		20 84 50	sharoi of Beat	copies printer. pacing Agencie postsiya po te institut metali	Mesp. Ed.: V.	7 6	tttee of deal	refrect Lescusas	of the	Proning, Ye.M.	, o	Chuloshinkov, P.L.	Pankin A.K. Two	ming,	COV. A.	Hant-A	Craveta, A.T.	Talla Talla	dy F	In, A.S.	d ver	toh, Ya	anko, o	tant Al	1
	ŧ	a de la companya de l	Obrebotica ment of the Coi	copie consort fomis Insti	4. A. E.	PURPOSE:	Solen	9484 3494	Sold de	Proning	Mikola Steel	Chulo	Pankt.	1025	Reznt	LTGIA	Krava Var	Zhark	Dry's Resis	SPLFT	Tana Tana	Sure v	Muroz Tant-	Neste Besta	
				K	R	A. U				1 1 	<u>`</u> (2	>		·			. 	·						
	-1					1				_ }			***	<u> </u>											

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

16.6800

80428 30**V**/112**-**59**-**23**-**48191

Translation from: Referativnyy zhurnal Elektrotekhnika, 1959, Nr 23, pp 131 - 132 (USSR)

AUTHORS:

Vasil'yev, D.T., Fitsner, L.N.

TITLE:

Computing Device for Determining the Optimum Cutting Conditions

PERIODICAL:

V sb.: Avtomat. upravleniye i vychisl. tekhn. Moscow, Mashgiz,

1958, pp 362 - 374

ABSTRACT:

A device for determining the optimum cutting conditions for metals is described. Potentiometers P_1 having a special logarithmic winding are connected to an electric circuit for solving the transcendental equations of type $1 = a_1^b! \cdot a_2^b \cdot a_3^b \cdot \dots \cdot a_n^b \cdot a_$

Card 1/2

80423 80V/112-59-23-48191

Computing Device for Determining the Optimum Cutting Conditions

where α_1 , β_1 are deflections of slides of P_1 and P_1' potentiometers from the end with the zero potential. It is shown that in the circuit holds the equation:

To find one unknown value α or β , all known data are set and the value sought for is selected on the basis of the zero of indicator. An example of the optimum cutting conditions is supplied. A description of the design and of the method to protect the indicator from an increased voltage is given.

Yu.M.V.

Card 2/2

VINNIK, L.M.; CRINBERG, R.Ya.; KAMINSKIY, Ye.A.; KLEPIKOV, V.D.; KUZNETSOV, A.M.; KUCHENEV, N.I.; STRUZHESTRAKH, Ye.I.; TISHIN, S.D.; KHARI—TONOV, A.B.; TSEYTS, I.E.; SHAPIRO, I.I.; SHAPIRO, M.Ya.; ANAN'YAN, V.A., retsenzent; VASIL'YKW. D.T., retsenzent; GORKTSKAYA, Z.D., retsenzent: KARTSEV, S.P., retsenzent; KEDROV, S.M., retsenzent; KOMISSARZHEVSKAYA, V.N., retsenzent; KOPERBAKH, B.L., retsenzent; KORBOV, M.M., retsenzent; LEONOV, N.I., retsenzent; LUR'YE, G.B., retsenzent; NOVIKOV, V.F., retsenzent; GAL'TSOV, A.D., red.; VOL'-SKIY, V.S., red.; KHISIN, R.I., red.; SEMENOVA, M.M., red. izd-va; MODEL', B.I., tekhn.red.

[Reference book for establishing norms in the man acture of machinery; in 4 volumes] Spravochnik normirovshchika-mashinostroitelia; v 4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.2. [Establishing technical norms for operating machine tools] Tekhnicheskoe normirovanie stanochnykh rabot. Pod red. E.I.Struzhestrakha. 1961. 392 p. (MIRA 14:8)

(Industrial management) (Machine tools)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

4. 表示的 1. 如此是自己的 1. 我们是一个时间的 1. 是一个时间的 1. 这些的话,可是是一个一个一个一个一个一个一个一个

S/121/63/000/001/012/014 A004/A126

AUTHOR:

Vasil'yev, D.T.

TITLE:

Miniature induction pickups with linear characteristics and large

working stroke

PERIODICAL: Stanki i instrument, no. 1, 1963, 35 - 37

TEXT: The author describes a number of induction pickups with linear characteristics over a wide range of measuring rod displacement. This type of pickup can be manufactured with practically any working stroke. Thus, e.g., one of them is 10 mm in diameter, 41 mm long and has a working stroke of 3 mm; the linear portion of the characteristic amounts to 90% of the working stroke. These pickups are of the plunger type, simple in design and easy to manufacture. The mechanical part consists only of the friction couple rod - aperture, so that they ensure a reliable operation. The author describes the design features of such pickups having either a hollow or solid armature. A valuable property of induction pickups with linear characteristics is the possibility of reducing the effect of voltage variations in the supply mains on the reading accuracy. In

Card 1/2

Miniature induction pickups with linear

A CONTRACTOR OF THE PROPERTY O

· 5/121/63/000/001/012/014 A004/A126

many cases, this type of pickur can be supplied from the lighting circuit via an ordinary transformer or a ferrous resonance stabilizer. Using an auxiliary voltage of the same supply source it is easy to obtain zero without noticeable drift. There are 7 figures.

Card 2/2

DANIYELYAN, Arutyum Mkrtichevich, zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn. nauk, prof.[deceased]; BOBRIK, Petr Ivanovich; GUREVICH, Yankel' Leybovich; YEGOROV, Ivan Sergeyevich; VASIL'YEV, D.T., kand. tekhn.nauk, retsenzent

[Machining heat resistant steels and alloys and high melting metals] Obrabotka rezaniem zharoprochnykh stalei, splavov i tugoplavkikh metallov. Moskva, Mashinostroenie, 1965. 306 p. (MIRA 18:5)

ATABEKOV, G.I.; BELOUSOV, M.M.; BULGAKOV, K.V.; YASIL'YEV, D.V.;
YEGIZAROV, I.V.; ZAKHAROV, S.N.; ZEYLIDZON, Ye.D.; KOSTENKO, M.P.;
MANOYLOV, V.Ye.; MARNEVSKIY, B.I.; RYZHOV, P.I.; SOLOV'YEV, I.I.;
SYROMYATNIKOV, I.A.; FABRIKANT, V.L.; CHERNIH, A.B.; CHERNCBFOVOY,
N.V.; FEDOSEYEV, A.M.; SHABADASH, B.I.; SHCHEDRIN, N.N.;
FATEYEV, A.V.

HUSBERGERBERGEREITEREN DER EINE ERSTELLE BERGEREITER BERCHER LEGENERE HER ER EINE ER EINE ER EINE ER EINE ER E

Viktor Ivanovich Ivanov, 1900-1964; an obituary. Elektrichestvo no.11:89 N 164. (MIRA 18:2)

ATAEEKOV, G.I.; BASHARIN, A.V.; BOGORODITSKIY. N.P.; BULGAKOV, K.V.;

VASIL'YEV, D.V.; YEGIAZAROV, I.V.; YERMOLIN, N.P.; KOSTENKO, M.P.;

MATKHANOV, P.M.; NOVASH, V.I.; NORNEVSKIY, B.I.; RUTSKIY, A.I.;

RYZHOV, P.I.; SOLOV'YEV, I.I.; SOLODHIKOV, G.S.; SLEFYAN, Ya.Yu.;

SMIROVA N.V.; TINYAKOV, N.A.; FATEYEV, A.V.; FEDOSEYEV, A.M.;

SHABADASH B.I.; SHCHEDFIN, N.N.

Viktor Ivanovich Ivanov, 1900-1964; obituary. Izv. vys. ucheb.

zav.; energ. 8 no.1:122-123 Ja '65.

(MIRA 18:2)

VASIL'YEV, D.V.

Inertial detection of a random sequence of square pulses.

Izv. vys. ucheb. zav.; radiofiz. 3 no.6:1010-1021 '60.

Izv. wys. ucheb. zav.; radiofiz. 3 no.6:1010-1021 '60.

(MIRA 14:4)

1. Moskovskiy energeticheskiy institut.

(Radio detectors)

21174

S/141/60/003/006/013/025 E192/E382

6.4400 16.6100

Vasil'yev, D.V. AUTHOR:

Inertia Detection of a Random Train of Rectangular TITLE:

Pulses

Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1960, Vol. 3, No. 6, pp. 1010 - 1021 PERIODICAL:

The problem of the transfer of rectangular pulses of random duration and spacing through an intertia-type detector was considered by a number of authors (Refs. 1, 2, 3). So far, however, an exact solution of this problem has not been found. In the present work an attempt is made to give a general solution of the problem of the unidimensional distribution of the voltage at the output of the detector by determining some of the moments of this distribution for the steady-state regime. It is assumed that an infinite train of non-overlapping rectangular pulses is applied to a linear filter having an arbitrary RC load. The pulses have a constant amplitude and random and independent durations to and spacings \mathcal{L}_2 (Fig. 1). The probability density distribution

Card 1/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

21174

S/141/60/003/006/013/025 E192/E382

Inertia Detection

functions $W_1(x)$ and $W_2(x)$ for the durations and spacings are known. The equivalent circuit of the detector can be represented as shown in Fig. 2. The charging period of the capacitance is expressed by:

$$\tau_3 = R_3 c \tag{1}$$

and its discharge time constant is given by:

$$E_{\mathbf{p}} = \mathbf{RC}$$
 (2)

where R = R/(1 + SR), where S is the slope of the detector characteristic, R is the esistance of the detector load and C is the load capacitance. The instantaneous output voltage of the system shown in Fig. 2 can be expressed by:

Card 2/10

S/141/60/003/006/013/025 E192/E382

Inertia Detection

$$u(t) = \begin{cases} u_1(t) = 1 - (1 - U_{nl}) \exp\left(-\frac{t - t_{nl}}{\tau_0}\right); & t_{nl} < t < t_{nl} \\ u_2(t) = U_{nl} \exp\left(-\frac{t - t_{nl}}{\tau_0}\right); & t_{nl} < t < t_{n(l+1)} \end{cases}$$
(3)

where $U_{\rm Hi}$ and $U_{\rm Ki}$ are oltages across the load/the beginning and the termination of the i-th input pulse; $t_{\rm Hi}$ and $t_{\rm Ki}$ are the instants of the beginning and termination of the i-th input pulse. If A denotes the event that a mndomly chosen time instant, t coincides with the presence of a pulse or $u(t) = u_1(t)$ and B is the opposite event, i.e. $u(t) = u_2(t)$, the probability density distribution function for u can be written as:

$$W(u) = P(A) W'(u/A) + P(B) W''(u/B)$$
 (4)

Card 3/10

2117h 5/141/60/003/006/013/025 E192/E382

Inertia Detection

where P(A) and P(B) are the probabilities of the events A and B;

W'(u)/A which will be denoted as W'(u) and W''(u)/B which will be denoted by W''(u) represent conditional probability density distributions of the voltages $u(t) = u_1(t)$ and $u(t) = u_2(t)$, respectively. From the conditions of the problem it follows that:

$$P(A) = \frac{m_1(\tau_1)}{m_1(\tau_1) + m_1(\tau_2)}; (5)$$

$$P(B) = \frac{m_1(\tau_1)}{m_1(\tau_1) + m_1(\tau_2)}, \tag{6}$$

where $m_1(\tau_1) = \overline{\tau}_1$, $m_1(\tau_2) = \overline{\tau}_2$ which represent average values of the duration and spacing of the input pulses.

2117l₄ 5/141/60/003/006/013/025

Inertia Detection

Consequently, the problem consists basically of determining the conditional probabilities W'(u) and W''(u) when $W_1(x)$ and $W_2(x)$ are given. Now, Eq. (3) can be

written in the following form:

$$u(t) = \begin{cases} u_1(t) = 1 - (1 - U_{nl}) \exp\left(-\frac{\Delta \tau_{1l}}{\tau_3}\right) = 1 - (1 - U_{kl}) \alpha_l; & t_{nl} < t < t_{kl} \\ u_2(t) = U_{kl} \exp\left(-\frac{\Delta \tau_{2l}}{\tau_p}\right) = U_{kl} \beta_l; & t_{kl} < t < t_{n(l+1)} \end{cases}$$
(7)

where:

$$\alpha_{l} = \exp\left(-\frac{\Delta \tau_{ll}}{\tau_{3}}\right); \qquad \tau_{ll} = t_{\kappa l} - t_{Hl}; \qquad (8)$$

E192/E382

$$\beta_l = \exp\left(-\frac{\Delta \tau_{2l}}{\tau_p}\right); \qquad \tau_{2l} = t_{n(l+1)} - t_{nl}, \qquad (9)$$

Card 5/10

Inertia Detection

5/141/60/003/006/013/025 E192/E382

In these, \triangle is a random quantity contained in an interval 0 to 1, which characterises the position of a random point t inside the interval γ_i and γ_{2i} coinciding with it. Clearly, the distribution of this quantity is constant and uniform and is given by:

$$W_{\Delta}(x) = \begin{cases} 1; & 0 < x < 1 \\ 0; & x < 0; 1 < x \end{cases}$$
 (10).

It can be shown, therefore, that the conditional probability-density distributions are expressed by:

$$W'(u) = \int_{\tau_1} \int_{\Lambda} \frac{\tau_1}{\tau_1} W_n \left[1 - (1-u) \frac{1}{\alpha} \right] \frac{1}{\alpha} W_1(\tau_1) W_2(\Delta) d\Delta d\tau_1; \qquad (18)$$

$$W''(u) = \int_{\tau_1} \int_{\frac{\tau_2}{\tau_2}} \overline{W}_{\kappa} \left(\frac{u}{\beta}\right) \frac{1}{\beta} W_2(\tau_2) W_1(\Delta) d\Delta d\tau_2$$
 (19)

Card 6/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

-4474

lnertia Detection ...

S/141/60/003/006/013/025 E192/E362

On the basis of Eq.s (7) it can be shown that the n-th order moments for the functions W'(u) and W''(u) can be written in the form:

$$m_{n}(u_{1}) = \int_{U_{H}} \int_{\tau_{1}} \int_{\Delta} \left[1 - (1 - U_{H})\alpha\right]^{n} \frac{\tau_{1}}{\tau_{1}} W_{n}(U_{H}) W_{1}(\tau_{1}) W_{\Delta}(\Delta) d\Delta d\tau_{1} dU_{n}; \quad (21)$$

$$m_{n}(u_{2}) = \int_{U_{\kappa}} \int_{\tau_{2}} \int_{\Delta} \left[U_{\kappa} \beta \right]^{n} \frac{\tau_{2}}{\tau_{2}} W_{\kappa} \left(U_{\kappa} \right) W_{2}(\tau_{2}) W_{\Delta} \left(\Delta \right) d\Delta d\tau_{2} dU_{\kappa} . \tag{22}$$

Since U_H is independent of α and U_K does not depend on β it is possible to carry out integration of the above with respect to U_H and U_K for any finite n. It is therefore possible to express $m_n(u_1)$ and $m_n(u_2)$ in terms of the moments of the distribution of the random quantities U_H and U_K , i.e. $m_n(U_H)$ and $m_n(U_K)$. The initial moment of the n-th order for U_K can be determined from:

	21174	
	S/141/60/003/006/013/025 E192/E382	
; ;	Inertia Betection $m_n(U_x) = m \left[(1 - a_m) + \sum_{k=1}^{n} (1 - a_{m-k}) \prod_{i=0}^{k-1} a_{m-i} b_{m-i} \right]. \tag{34}$	
	where the coefficients a_i and b_i are defined by: $\frac{1 - U_{ni}}{1 - U_{ni}} = a_i;$ (30)	-
\$	$\frac{U_{nl}}{U_{\kappa(l-1)}} = b_l, \qquad (31) .$	
± 1	The moments of the distribution $W_{H}(U_{H})$ can be found from:	
	$m_n(U_H) = m_n(U_K)m_n(b)$ (37).	•
	From the above expressions it is comparatively easy to	
)	Card 8/10	

S/141/60/003/006/013/025 E192/E382

Inertia Detection

evaluate the first few moments for W_{K} and W_{H} . The moments of the distribution W(u) for the output voltage are given by:

$$m_n(u) = \frac{\tau_1 m_n(u_1) + \tau_2 m_n(u_2)}{T} \, , \qquad (49)$$

where:

$$\overline{T} = \overline{\mathcal{C}}_1 + \overline{\mathcal{C}}_2 \tag{50}$$

In general, therefore, the moments $m_n(u)$ are determined by the functions $m_n(a)$ and $m_n(b)$ which depend on the input possibilities $W_1(x)$ and $W_2(x)$. All the remaining quantities which are included in the formulae depend on the detector parameters \mathcal{L}_3 and \mathcal{L}_p and the average values of the pulse duration and inter-pulse spacing. Exact formulae for calculating the moment $m_n(b)$ are given for the following distribution card 9/10

21174 5/141/60/003/006/013/025 E192/E382

Inertia Detection

functions of the spacings τ_2 between the pulses: exponential distribution corresponding to an "absolutely random" train of pulses; a quasi-normal distribution; a uniform distribution and a gamma distribution. The pulses in the above cases are assumed to be of constant duration. The author expresses his gratitude to V.I. Tikhonov and V.L. Lebedev for reading the manuscript and for valuable advice. There are 3 figures and 6 references; 5 Soviet and 1 non-Soviet.

ASSOCIATION:

Moskovskiy energeticheskiy institut

(Moscow Power Institute)

SUBMITTED:

June 22, 1960

Card 10/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

SYROMYATNIKOV, I.A.; NEKRASOV, A.M.; LEBEDEV, A.A.; KOSTENKO, M.P.;
NETMAN, L.R.; VASIL!YEV, D.V.; KAMENSKIY, M.D.; USOV, S.V.;
POSSE, A.V.; UL'YAHOV, S.A.; PAZYLOV, Kh.P.

Professor N.N. Shchedrin; on his seventieth birthday and fortieth anniversary of his educational work. Elektrichestvo nc.1:9495 Ja '62.

(Shchedrin, Nikolai Nikolaevich, 1891-)

GUTKIN, L.S.; LEBEDEV, V.L.; SIFOROV, V.I.; Prinimali uchastiye:
VASIL'YEV, D.V.; SVISTOV, N.K.; LYUBIMOVA, T.M., red.;
BELYAYEVA, V.V., tekhn. red.

[Radio receiving devices] Radiopriemnye ustroistva. Pod red. V.I.Siforova. Pt.2. 1963. 399 p. (MIRA 16:11) (Radio--Receivers and reception)

GUTKIN, L.S.; LEBEDEV, V.L.; SIFOROV, V.I. Prinimali uchastiye:

VASIL'YEV, D.V.; SVISTOV, N.K.; LYUBIMOVA, T.M., red.;

BEINAYEVA, V.V., tekhn. red.

[Radio receiving devices] Radiopriemmye ustroistva. Pod
red. V.I.Siforova. Moskva, Sovetskoe radio. Pt.2. 1963.
399 p. (MIRA 17:2)

· .:	<u>L 2967-66</u> EWT(d)/EWP(k)/EWP(l) JKT UR/0105/64/000/009/0093	/0094 /	
•	LOCECTON NO. ADSOCIATIO		
	AUTHOR: Baluyev. V. K.; Grudinskiy. P. G.; Izyupov. N. H.; Kulebakin. V. S. Mirolyubov. N. N.; Sotskov. B. S.; Tsirlin. A. D.; Alekseyev. A. Ye.; Mirolyubov. N. P.; Berger, A. Ya.; Yavorskiy. V. N.; Nasledov, D. H.;	18 27 B	
	monto TAGS: electric engineering personnel		
	ABSTRACT: Doctor of Technical Sciences, Hajor General in the Tochnical Engineering Service, Professor N. N. Intsenko died in Hay of this year Engineering Service, Professor N. N. Intsenko died in Hay of this year after a long and serious illness. He graduated from the Hoscow Higher after a long and serious illness. He graduated from the Hoscow Higher after a long and in 1914 and was closely associated with his spocialty Technical Academy in 1914 and was closely associated with his spocialty of electrical engineering till the end of his life. He spent the first of electrical activity at the Academy working in the electrical years of his practical activity at the Academy working in the electrical engineering laboratory of K. A. Krug. After that he began his career in the Soviet Army as a lowly laboratory assistant in the radiotechnical laboratory and worked his way up over thirty years to be head of the		
	Card 1/2 ·	•	
•	1		
			• •

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

AND AND REPORTED TO A STATE OF THE PROPERTY OF L 2967-66 ACCESSION NR: AP5026357 Department of Electrical and Military Engineering. He wrote several books: "Alternating Currents," "The Theory of Alternating Currents," "Course in General Electrical Engineering," "Radio Engineering" and, together with his co-workers, problem books on "A Course in Alternating Currents" and "The Physical Principles of Electrical Engineering." He set up a number of special courses (military application of electric power, military portable electric power stations, electric equipment for armies, electrification of military engineering works, etc.) and also participated in many engineer ing projects with the Soviet Army. He has written many textbooks, monographs and articles on the theoretical and applied divisions of military electrical engineering. These include "Electric Circuits" and "Fundamentals for the Design and Planning of Mobile Electric Stations." Many of R. N. Lutsenko's students are working in sections of the Soviet Army, in scientific institutes and in colleges, and in industry. These students are continuing the work of their teacher, the founder of Soviet military electrical engineering. He received his professorahip in 1938 and his doctorate in 1949. He has received the Order of Lenin, three "Red Banners," the Order of the "Red Star" and many medals. 'Orig. art. has: 1 figure. ASSOCIATION: none SUB CODE: KE SUBMITTED: 00 INCL: 00 NO REF SOV: 000 OTSIER: 000 JPRS Card 2/2 Clack

VASILIYEV. D. V.

VASIL'YEV. D. V.

Vasil'yev, D. V. defended his Doctor's dissertation in the Leningrad Polytechnic Institute im Kalinin, USSR, on 11 March 1946, for the academic degree of Doctor of Technical Sciences.

Dissertation: "Induction Synchronous-Tie Systems". Resume: A theoretical analysis of synchronous-tie induction systems, including establishment of criteria for applicability of diagrams constructed by Vasil'yev to single-phase selsyns.

Official Opponents: Profs. V. K. Popov, S. A. Press, and N. A. Livshits (all Doctors of Technical Sciences).

SO: Elektrichestvo, No. 7, Moscow, August 1953, pp 87-92 (W/29844, 16 Apr 54)

 , Prof.	Z. Tsypkin's review ("Avtomatika i Teleme No 4, 1948) of V. A. Besekerskiy's book Control of Artillery Units."	USSR/Weapons (Contd)		"Avtomat i Telemekh" Vol X, No 4	Hetter to the Editor," Prof S. A. Press, Sci, Chair of Leningrad Ord of Red Banner Prof S. Mech Inst, Prof D. V. Vasil'yev, Dr Tech S. Chair of Leningrad Electrotech Inst imeni Ul'yanov, Docent B. I. Rubin, Cand Tech Sc. Chair of LEVVIA, and Prof M. L. Tsukkerman of Leningrad Inst of Precise Mech and Opt,	USSR/Weapons Artillery Remote Control	
51/49T106	ika i Telemekhanika," skiy's book "Remote	Jul/Aug 49	A. Ayzerman and Ya. 51/49T105	No 4	S. A. Press, Dr Tech of Red Banner Mil yev, Dr Tech Sci, sch Instimeni V. I. 1, Cand Tech Sci, L. Tsukkerman, Chair Mech and Opt, 2 pp	Jul/Aug 49	And the second

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

BOGORODITSKIY, N.P., professor; VASIL'YEV, D.W., professor; RAYDA, L.I.

dotsent; ODINTSOV, G.V., dotsent; SEMERKOVICH, A.A., dotsent; TATEYEV,
A.V., dotsent; YURCERSON, R.I., dotsent; ARAMOVICH, B.I., starshiy
prepodavatel'; GENTOR, D.S. starshiy prepodavatel'; POVOLOTSKIY, Ya.A.,

Development of automatic control and telemechanics in the fifth
five-year plan. Aytom, i telem. 14 no.2 238-240 Mr.Ap '53,

1. Leningradskiy elektrotekhnicheskiy institut im. V.I.Ul'yanova

(Automatic spatrol) (Remote control)

KULEBAKIN, V.S.; ALEKSEYEV, A.Ye.,; LARICHOV, A.N.; BOGORODITSKIY, N.P.;
CHILIKIN, M.G.; YASIL'YEV, D.V.; OD INTSOV, G.V.; PPTROV, I.I.;
FATEYEV, A.V.; GOLOVAN, A.T., MOROZOV, D.P.; BASHARIN, A.V.

S.A.Rinkevich. Elektrichestvo no.9:85 S'55. (MLRA 8:11)
(Rinkevich, Sergei Aleksandrovich, 1886-1955)

8(2)

PHASE I BOOK EXPLOITATION

SOV/2030

Vasil'yev, Dmitriy Vasil'yevich, Boris Afenas'yevich Mitrofanov, Grigoriy L'vovich Rabkin, Georgiy Nikanorovich Samokhvalov, Aleksandr Aleksandro ich Semenkovich, Aleksandr Vasil'yevich Fateyev, and Nikolay Ivankovich Chicherin

是一个人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人的人,我们就是一个人的人的人,我们也没有一个人的人,我们也没有一个人的人,我们也没有一个人的

Raschet sledyashchego privoda (Servodrive Design) Leningrad, Sudpromgiz, 1958. 370 p. 8,000 copies printed. Errata slip inserted.

Resp. Ed.: S. Ya. Berezin; Ed.: Ye. N. Shaurak; Tech. Ed.: P. S. Frumkin.

PURPOSE: This book is intended for scientists, engineers, and students of wazes.

COVERAGE: This book discusses the problems of designing electromechanical , servodrives and gives examples of design from the point of view of the overall system and of the individual basic elements. The design of servodrive amplifiers, the selection and design of error-sensing devices, and the experimental determination of the transfer functions of the discrete links of a servodrive are given considerable attention in the book. Materials on the design of electromechanical servodrives are systematized and the design of servodrives with electronic and magnetic amplifiers and of servodrives with rotating amplifiers is discussed. These designs reflect the practical experiences of the authors in the development of servosystems. The authors

Card 1/5

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858820015-3"

Servodrive Design (Cont.)	sov/2030
thank I. A. Petrusenko, I. S. Rayner, N. and Yu. A. Yereneyev for their aid in pre 51 references: 47 Soviet, 1 German, and	paring the book. There are
TABLE OF CONTENTS:	
Preface	3
Cn. 1. Review of Existing Methods of Design	ing a Linearized Servodrive 5
1-1. Nature of design	ing a Idnearized Servodrive 5
1-2. Frequency methods	
1-3. Coefficient methods	12
1-4. Design methods based on the distrib	
characteristic equation	13
Th. 2. Selecting the Design Methods and the	Order of Design 17
2-1. Comparative evaluation of design me	
2-2. Selection of frequency design metho	
2-3. Selection of control action and ini	
2-4. Order of servodrive design	25

ervodrive Design (Cont.)	807/2030
h. 5. Selection of the Parameters of Basic S	ervodrive Elements 28
3-1. Selection of the type of current	28
3-2. Selection of gear ratios and the type	of reduction unit
3-3. Selection of the capacity of the serv	omotor 39
3-4. Determination of the transfer function	ns of the motor 48
3-5. Selection of the type of sensing elem	ents 5h
3-6. Selection of suxiliary devices for se	rvodrives 62
h. 4. Servodrive Amplifiers	80
4-1. Selection of the type of amplifier	80
4-2. Rotating amplifiers and determination	of initial data for the
design of preamplifiers	Az
4-3. Connecting the amplifiers with the ser	ryomotor 85
4-4. Electronic amplifiers	91
4-5. Magnetic amplifiers	133
4-6. Semiconductor emplifiers	169
h. 5. Selection and Design of Error-sensing I	Devices 209
5-1. Nethods of selecting error-sensing dev	rices 211
5-2. Selection of the parameters of error-s by means of logarithmic amplitudes and	ensing devices
characteristics	
ard 3/5	211

Servoar:	ive Design (Cont.) SOV/2030	
5-3-	Selection of the parameters of error-sensing devices by means of	- /-
	amplitude-phase characteristics	260
5-4.	On the design of servodrives by the probability characteristics	
	of input effects and noise and the demands of dynamic accuracy	277
ch. 6.	Experimental Determination of the Parameters of Transfer Functions	3
	of the Discrete Links of a Servodrive	298
6-1-	Review of existing methods	298
6-2.	Methods of experimental determination of the parameters of the transfer functions of the discrete linearized links of a	
	servodrive	305
Ch. 7.	Examples of Servodrive Design	325
7-1.	Example of static design of a 4-watt servodrive	326
7-2.	Example of static design of a tachometric servodrive with	
,	electronic magnetic amplifier and 4-watt a-c motor	330
7-3.	Example of the design of a two-reading servodrive with magnetic	
1 24	amplifier and 500-watt a-c motor	334
7-4.	Example of the design of a servodrive with electronic and	
, ,,	rotating amplifiers	345
Card 4/	5	
•		

7-5. Example of the design of a servodrive with magnerotating amplifiers	
04h14a-manka	
Bibliography	358
VAILABLE: Library of Congress	3 66
	•
ard 5/5	IK/mg
	10-29-59

BOGORODITSKIY, N.P.; YERMOLIN, N.P.; FATEYEV, A.V.; VASIL'YEV, D.V.; ODINTSOV, G.V.; GEKTOR, D.S.; APIAKSIN, B.A.

Professor V.A. Timofeev. Rlektrichestvo no.2:96 7 '58. (MIRA 11:2)

(Timofeev, Vladimir Andreevich, 1897-)

AUTHORS:

Ivanov, V. I., Professor, Doctor of SOV/105-58-9-34/34

Technical Sciences, Vasil'yev, D. V., Professor, Doctor of Technical Sciences, Fateyev, A. V., Professor, Doctor of Technical Sciences, Odintsov, G. V., Docent, Candidate

of Technical Sciences

TITLE:

Bibliography (Bibliografiya) K.V.Bulgakov: Power Supply for Industry (K.V.Bulgakov: Energosnabzheniye promyshlennykh

predpriyatiy)

PERIODICAL:

Elektrichestvo, 1958, Nr 9, pp 96 - 96 (USSR)

ABSTRACT:

This is a review of a book published in 1957 by "Gosenergo-

izdat", 743 pp., 11,85 Roubles. Power supply

for industry is correctly described as a many-sided problem which

must be solved as a whole. The book is intended for the engineer concerned with the design of power plants for

industry and with their operation, but may also

serve as a textbook for students working in this field. It will be of particular value since at present there is no other book on this subject. The book is on a high

Card 1/2

scientific and theoretical level. The subject dealt

Bibliography. K.V.Bulgakov: Power Supply for Industry SOV/105-58-9-34/34

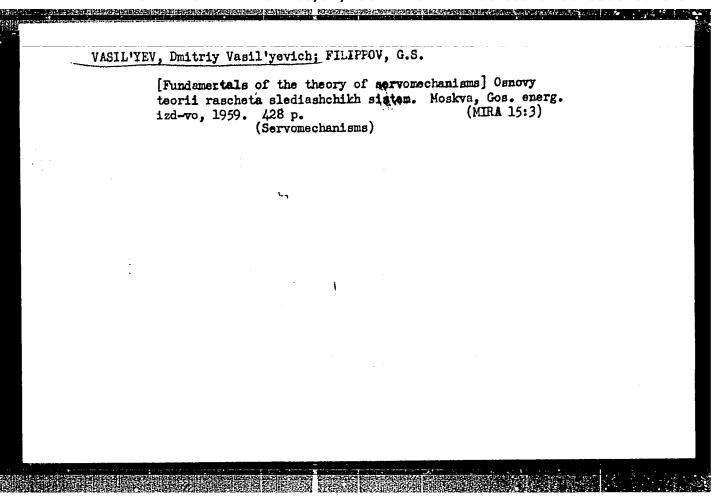
with is scientifically arranged, it complies with the present state of power engineering, and is simply and lucidly written. Some minor imperfections, as the too small number of numerical examples and reference data, etc., could be easily removed with the next edition. Leningradskiy elektrotekhnicheskiy institut im.V.I. Ul'yanova (Lenina) (Leningradt, Electrical Engineering In-

stitute im.V.I.Ul'yanov (Lenin))

Card 2/2

USCOMM-DC-60.781

ASSOCIATION:



PHASE I BOOK EXPLOITATION SOV/3707

Vasil'yev, Dmitriy Vasil'yevich, and Gleb Sergeyevich Filippov

Osnovy teorii i rascheta sledyashchikh sistem (Fundamentals of Theory and Design of Servesystems) Moscow, Gosenergoizdat, 1959. 428 p. 22,000 copies printes. Errata slip inserted.

Ed.: Yu. A. Sabinin; Tech. Ed.: Ye. M. Soboleva.

PURPOSE: This textbook was approved by the Ministry of Higher Education, USSR, for electrical engineering and power engineering schools of higher education. It may also be of use to engineers dealing with problems of automation.

COVERAGE: The authors present the fundamentals of theory and design of servosystems both in a linear approximation and also with nonlinearities taken into account. Methods of improving the quality of servosystem performance are discussed, and typical circuit diagrams of servosystem used in engineering practice are presented. The book was written in accordance with the program of the course on servosystems at the Leningrad Electrical Engineering Institute imeni V.I. Ul'yanov (Lenin) for students of various specialities. The authors

Card 1/16

thank V.S. Levit, senior teacher, for his help. There are 37 refe	wanaaa
all Soviet (8 of these are translations)	rences,
BLE OF CONTENTS:	
reword	3
. I. Introduction	
1. Basic concepts and definitions	11
 Development of servesystems and fields of their application Classification of systems of automatic control and of serve- 	17
systems	22
. II. Principal Varieties and Structure of Servesystems	
1. General characteristics of the principal varieties of	
servosystems	28
2. Typical equivalent sections and block diagrams of servesystems	31
A. Typical equivalent sections	
1. Inertialess section	31 32 33 34
2. Aperiodic section	33
3. Integrating section	34

VASIL'YEV, Dmitriy Vasil'yevich; FILIPPOV, Gleb Sergeyevich; SABININ,
Yu.A., red.; SOBOLEVA, Ye.M., tekhn.red.

[Theory and design fundamentals of servomechanisms] Osnovy
teorii i rascheta slediashchikh sistem. Moskva, Gos.energ.
izd-vo, 1959. 428 p.

(Servomechanisms)

8(2)

PHASE I BOOK EXPROITATION

SOV/2979

Vasil'yev, Dmitriy Vasil'yevich, and Voislav Georgiyevich Chuich

Raschet sistem avtomaticheskogo upravleniya; zadachi i primery (Design of Automatic Control Systems; Problems and Examples) Moscow, Mashgiz, 1959. 390 p. Errata slip inserted. 10,000 copies printed.

Reviewer: A. V. Fateyev, Doctor of Technical Sciences, Professor; Ed.: Yu. A. Sabinin, Candidate of Technical Sciences, Docent; Eds. of Publishing House: G. A. Dudusova and N. Z. Simonovskiy; Tech. Ed.: I. D. Nikolayeva; Managing Ed. for Literature on the Design and Operation of Machinery (Leningrad Division, Mashgiz): F. I. Fetisov, Engineer.

PURPOSE: This book is intended for technical personnel working in automatic control. It may also be used by students of advanced courses in schools of higher technical education.

Card 1/5

Design of Automatic Control Systems (Cont.)

COVERAGE: The book deals with the application of the theory of automatic control and servomechanisms to the solution of practical problems in investigating and designing static and dynamic regimes of closed-loop automatic control systems.

Construction of block and schematic diagrams, frequency characteristics, equations, and transfer functions of automatic control systems and servomechanisms are described. Considerable attention is given to the use of computers in research and design. Design calculations in sections 16 and 17 were made by Yu. N. Reshetnikov and Ye. M. Neplokhov. There are 35 references, all Soviet.

TABLE OF CONTENTS:

Preface	3	
Ch. I. Constructing Block Diagrams of Automatic Control Systems 1. Breakdown of automatic control systems into functional elements. Constructing schematic diagrams 2. Breakdown of automatic control systems into dynamic elements of directive action. Construction and conversion of block diagrams Card 2/5	23	

	Sa S
Design of Automatic Control Systems (Cont.) SOV/2979	
Ch. II. Steady-state Conditions in Automatic Control Systems 3. Determining transfer coefficients of functional elements	41 44
4. Determining the accuracy of the operation of an automatic control system under steady-state conditions	49
Ch. III. Setting up Equations for Automatic Control Systems	64
 Determining transfer functions of the basic elements of automatic control systems 	65
 Setting up operational equations and determining transfer functions of automatic control systems 	84
Ch. IV. Constructing Frequency Characteristics of Automatic Control Systems	109
 Constructing frequency characteristics of open-loop systems 	110
8. Constructing logarithmic frequency characteristics of open-loop systems	125
Card 3/5	

Design of Automatic Control Systems (Cont.) SOV/2979	
9. Constructing actual frequency characteristics	138
Ch. V. Investigating the Stability of Automatic Control Systems 10. Analysis of stability based on algebraic criteria 11. Analysis of stability based on frequency criteria	145 147 162
Ch. VI. Investigating the Quality of Transient Processes in Automatic Control Systems 12. Determining transient processes by the operational method 13. Determining the nature of transient processes on the basis of actual frequency characteristics of trapezoidal shape	180 182 217
Ch. VII. Design Examples of Automatic Control Systems 14. Distinguishing features of designing by using frequency	225
methods 15. Determining transfer functions and frequency characteris-	225
tics of compensating elements 16. Example of designing a servomechanism for a profile	228
grinder by a method based on logarithmic frequency characteristics	256
Card 4/5	

Design of Automatic Control Systems (Cont.) SOV/2979 17. Example of designing a servomechanism for heavy-duty	
copying-type milling machines by a method based on amplitude-phase characteristics	279
Ch. VIII. Use of Computers in the Design and Investigation of Automatic Control Systems 18. Use of computers in the investigation of automatic control systems 19. Principles of constructing matrix analogs 20. Investigation of automatic control systems by using matrix analogs 21. Principles of constructing structural analogs 22. Use of structural analog computers in the investigation of automatic control systems	308 308 324 334 353 362
Bibliography	383
AVAILABLE: Library of Congress	0-0
VK/jmr Card 5/5 2-1-60	

ADMICS STORY TO THE CONTROL OF THE C

VASIL'YEV. Dmitriy Vasil'yevich; CHUICH, Voislav Georgiyevich;

PATEYEV, A.V., prof., doktor tekhn.nauk, retsenzent; SABININ,
Yu.A., dotsent, kand.tekhn.nauk, red.; DUDUSOVA, G.A., red.
izd-va; SIMONOVSKIY, H.Z., red.izd-va; NIKOLAYEVA, I.D.,
tekhn.red.

[Calculation of automatic control systems; problems and examples]
Raschet sistem avtomaticheskogo upravleniia; zadachi i primery.
Moskva, Gos. nauchno-tekhn.izd-vo mashinostr.lit-ry, 1959. 590 p.
(MIRA 12:10)

(Electronic control) (Servomechanisms)

VASIL'YEV, D.V.; MIKHAYLOV, V.A.; NORNEVSKIY, B.I.; DEMCHENKO, O.P., starshiy nauchnyy sotr., kand. tekhn. nauk, retsenzent; MURATOV, I.I., dots., kand. tekhn. nauk, retsenzent; REYNCOL'D, Yu.A., kand. tekhn. nauk, dots., retsenzent; BAYKO, V.F., kand. tekhn.nauk, dots., nauchnyy red.; KLIMINA, Ye.V., red.; KRYAKOVA, D.M., tekhn. red.

[Automatic control systems for ships] Sudovye avtomatizirovannye ustanovki. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 595 p. (MIRA 15:2) (Marine engineering)

VASIL'YEV, D.V., doktor tekhn. anuk, prof., zasluzhennyy ceyatel; TARATIN, A.F., inzh.

Synthesis of a system of mutually coupled channels of a heavy copying and milling machine. Izv. LETI no.47:220-260 '62. (MIRA 16:12)

ALEKSEYEV, A.Ye.; BASHARIN, A.V.; BOGORODITSKIY, N.P.; VASIL'YEV, D.V.; IVANOV, V.I.; LYUTER, R.A.; MAHOYLOV, V.Ye.; YERMOLIH, N.P.; FRAMKE, A.V.

Vladimir Tikhonovich Kas'ianov; on the seventy-fifth anniversary of his birth and the tenth anniversary of his death.

Elektrichestvo no.4:95 Ap '62. (MIRA 15:5)

(Kas'ianov, Vladimir Tikhonovich, 1887-1952)

VASIL'YEV, D.V.; BESSEKERSKIY, V.A.; NEYMAN, L.R.; PIVOVAROV, S.P.; POLONSKIY, V.I.; FATEYEV, A.V.

Professor Arkadii Timofeevich Blazhkin, 1904 -; on his 60th birthday and the 35th anniversary of his scientific and educational work. Elektrichestvo no.4:94 Ap '64. (MIRA 17:4)

BEREZNIKOVSKIV Sergey Fedorovich, dots., kund. tekhn. nauk;

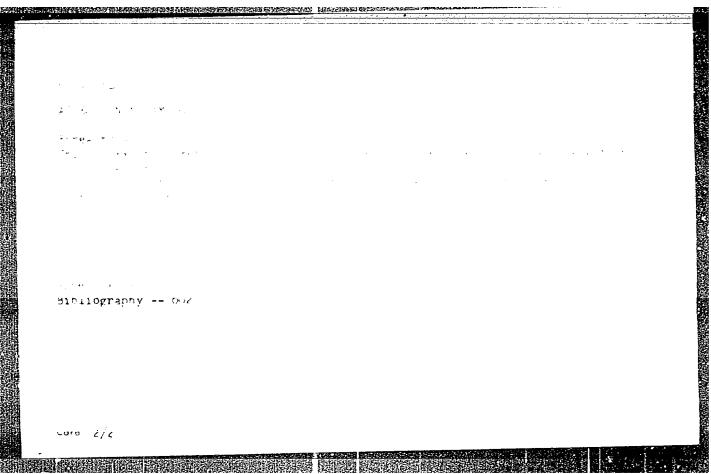
BESEKERSKIY, V.A., doktor tekhn. nauk, retserzent;

VASILYYEV, D.V., doktor tekhn. nauk, retsenzent;

BLAZHKIN, A.T., prof., red.; KVOCHKINA, G.P., red.

[Automatic regulation and control of electrical machines; some theory problems and elements of control systems] Avtomaticheskoe regulirovanie i upravlenie elektricheskimi mashinami; nekotorye voprosy teorii i elementy sistem upravleniia. Leningrad, Sudostroenie, 1964. 418 p. (MTRA 17:9)

51ste 10,90	m), Leningrad, iza-vo "Sudostroyeniye", 1964, 606 n. illus., biblio.
Tipic Tarangliffe	Till Bervomechanism, elektronis (k. 1.15 en 1.55). Till som et ill et 1.56 en
• • • •	
'ABLE OF	CONTENTS (abridged)



ACC NR: AM5004099 (N) Monograph UF/0203

Vasil'yev, Dmitriy Vasil'yevich; Mikhaylov, Vladimir Aleksandrovich; Nomevskiy, Boris

Ivanovich

Automation of ship equipment (Avtomatizatsiya sudovykh ustanovok) 2d ed., rev. and enl. Leningrad, Izd-vo "Sudostroyeniye", 1965. 607 p. illus., biblio. 3500 copies printed. Textbook for institutions of higher technical education

TOPIC TAGS: shipborne automatic control system, linear control system, nonlinear control system, electric motor

PURPOSE AND COVERACE: This book is based on the course "Electrical equipment and automation of ships" conducted at the Leningrad Electrotechnical Institute im. V. I. Ul'yanova. This textbook is intended for use in the above-mentioned course in schools of higher technical education; it may also be used by engineers designing new automated marine plants and by manufacturing workers. The book deals with elements and control systems of automated ship installations. The theoretical fundamentals of automatic control are also considered, along with linearized systems and problems of the theory of nonlinear systems. Fundamentals of the statistical dynamics method of systems with automatic control are discussed.

TABLE OF CONTENTS [abridged]:

Foreword - 3

Card 1/4

UDC: 621.311.2-52:629.12

AV6004099 ACC NRI Introduction — 5 Ch. I. Elements of automated marine units General information - 24 Pelay-contactor control equipment -- 26 Command equipment — 49 Braking electromagnets — 53 Dynamoelectric amplifiers - 56 Magnetic amplifiers - 74 Synchronous marine communications systems — 92. Semiconductor devices and installations - 139 Logic elements — 161 Cn. II. Systems for the automatic control of electric motors General information - 177 Starting direct-current motors — 178 Slowing down direct-current motors - 205 Controlling the speed of rotation of direct-current motors - 210 Starting three-phase motors — 215 Slowing down three-phase motors -- 221 Controlling the speed of rotation of asynchronous motors - 223 Systems for throttle-controlling short-circuited asynchronous motors - 228 Ch. III. Continous systems of automatic control and regulation Fundamental correlations and characteristics of continous systems of automatic Card 2/4